

REMEDICATION AND REDEVELOPMENT (RR) NEWS FROM WISCONSIN DNR  
December 28, 2000

ALTERATION OF MANN-KENDALL SPREADSHEETS

DNR has found that some consultants have inadvertently altered a version of DNR's Mann-Kendall spread sheet. This spread sheet can be used to show whether contaminant concentrations in a monitoring well are increasing, stable or decreasing. Data submitted using the altered spreadsheet has resulted in erroneous results in the S statistic produced by the spreadsheet, and errors in determining the data trend. NR 746/Comm 46 requires that consultants provide the Mann-Kendall & Mann-Whitney statistics either by manual calculations or by using a DNR supplied spread sheet. The DNR supplied spread sheet for Mann-Kendall is Form # 4400-215, available on our web site at:

[http://www.dnr.state.wi.us/org/aw/rr/wi\\_regs/index.htm](http://www.dnr.state.wi.us/org/aw/rr/wi_regs/index.htm).

The Mann-Whitney form is located on the same page and is Form # 4400-216. Please note these other reminders about using these spread sheets:

1. The value of the Mann-Kendall S statistic must be "in-range". When there are only four rounds of data, the Mann Kendall "S" value must be between minus six and plus six (inclusive).
2. The Mann-Kendall Test can not accurately determine a trend with seasonal data. Many of the data sets being processed are one year of quarterly data, which in most cases is not adequate for determining a trend. Where there is seasonal variation, the Mann-Whitney test can be used with two years of quarterly data.
3. The data submitted should follow remedial action. Sometimes data collected during the site investigation is included with data collected after soil excavation or treatment, skewing the results toward an artificial naturally declining trend. Consultants applying for closure under NR 726 are not required to use official forms for the Mann-Kendall or Mann-Whitney. When using a statistical package, other formats may be used. Consultants who have questions about submittal of statistical data may contact Terry Evanson at [evanst@dnr.state.wi.us](mailto:evanst@dnr.state.wi.us)

SECOND ROUND OF SITE ASSESSMENT GRANTS (SAG)

The Governor has announced that the second round of SAG grants have been awarded to: the Village of Ashwaubenon, the Redevelopment Authority of Milwaukee, the City of Oconto, the City of Oshkosh, the Redevelopment Authority of Sheboygan and the City of Wausau. These awards, in amounts up to \$100,000, will use up the remaining \$435,000 of the \$1.45 million budgeted for the SAG Program in the last state budget. In September, DNR announced small grants awards (\$30,000 or less) totaling \$1.01 million to 41 communities. SAG awards help local governments "jump start" redevelopment projects by providing funds for site assessment, demolition, and other activities. This up-front support helps local governments assess abandoned, idle or underused properties where real or perceived contamination hinders use of the property. This round of grants was extremely competitive and many applicants were disappointed. DNR received 29 applications requesting over \$2 million, but had only \$435,000 to award. More details about the SAG grants is on DNR's main web page:

<http://www.dnr.state.wi.us/org/caer/ce/news/on/ON001219.htm#art5> or contact Percy Mather at (608) 266-9263 or [mathep@dnr.state.wi.us](mailto:mathep@dnr.state.wi.us)

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